

IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

Claims 1 - 22. (Canceled)

Claim 23. (new) An image forming apparatus comprising:  
a communication unit adapted to make communication with an external apparatus;  
a detection unit adapted to detect a status of said image forming apparatus, said detection unit comprising first and second detectors;  
a first control unit adapted to process an image to be supplied to an interface for transmission of an image signal;  
a second control unit adapted to control power supply to said detection unit, if the status of said image forming apparatus is to be detected in the power saving mode, said second control unit operating with power supply lower than that of said first control unit,  
wherein power supply to said detection unit and to said first control unit is saved when said image forming apparatus is in a power saving mode,  
wherein said communication unit informs the external apparatus of the status of said image forming apparatus detected by said detection unit with the power supply

controlled by said second control unit in response to inquiry about the status of said image forming apparatus from the external apparatus received in the power saving mode, and

wherein in the power saving mode, said second control unit executes power supply to said first detector to obtain a detection result, and switches between (a) executing power supply to said second detector to enable said second detector to detect the status of said image forming apparatus and (b) stopping power supply to said first detector without enabling said second detector to detect the status of said image forming apparatus, in response to the detection result obtained by said first detector.

Claim 24. (new) An image forming apparatus according to claim 23, further comprising a switching unit adapted to connect said first control unit to said communication unit in a normal operating mode and said second control unit to said communication unit in the power saving mode, for output of the status of said image forming apparatus detected by said detection unit.

Claim 25. (new) An image forming apparatus according to claim 23, further comprising a switching unit adapted to connect said first control unit to said communication unit in a normal operating mode and said second control unit to said communication unit in the power saving mode, for communication of information.

Claim 26. (new) A power control method carried out in an image forming apparatus which comprises a communication unit for making communication with an

external apparatus and a detection unit comprising first and second detectors for detecting a status of the image forming apparatus, said method comprising:

    a first control step of processing an image to be supplied to an interface for transmission of an image signal using a first control unit;

    a second control step of controlling power supply to the detection unit using a second control unit, if the status of the image forming apparatus is to be detected in the power saving mode, the second control unit operating with power supply lower than that of the first control unit; and

    a communication step of informing the external apparatus of the status of the image forming apparatus detected by the detection unit with the power supply controlled in said second control step in response to inquiry about the status of the image forming apparatus from the external apparatus received in the power saving mode,

    wherein power supply to the detection unit and to the first control unit is saved when the image forming apparatus is in a power saving mode, and

    wherein in the power saving mode, said second control step executes power supply to the first detector to obtain a detection result, and switches between (a) executing power supply to the second detector to enable the second detector to detect the status of the image forming apparatus and (b) stopping power supply to the first detector without enabling the second detector to detect the status of the image forming apparatus, in response to the detection result obtained by the first detector.

Claim 27. (new) A method according to claim 26, further comprising a switching step of connecting the first control unit to the communication unit in a normal

operating mode and the second control unit to the communication unit in the power saving mode, for output of the status of the image forming apparatus detected by the detection unit.

Claim 28. (new) A method according to claim 26, further comprising a switching step of connecting the first control unit to the communication unit in a normal operating mode and the second control unit to the communication unit in the power saving mode, for communication of information.

Claim 29. (new) A computer-executable program stored on a computer-readable medium for carrying out a power control method in an image forming apparatus which comprises a communication unit for making communication with an external apparatus and a detection unit comprising first and second detectors for detecting a status of the image forming apparatus, including program code which implements:

a first control step of processing an image to be supplied to an interface for transmission of an image signal using a first control unit;

a second control step of controlling power supply to the detection unit using a second control unit, if the status of the image forming apparatus is to be detected in the power saving mode, the second control unit operating with power supply lower than that of the first control unit; and

a communication step of informing the external apparatus of the status of the image forming apparatus detected by the detection unit with the power supply controlled in

said second control step in response to inquiry about the status of the image forming apparatus from the external apparatus received in the power saving mode,

        wherein power supply to the detection unit and to the first control unit is saved when the image forming apparatus is in a power saving mode, and  
        wherein in the power saving mode, said second control step executes power supply to the first detector to obtain a detection result, and switches between (a) executing power supply to the second detector to enable the second detector to detect the status of the image forming apparatus and (b) stopping power supply to the first detector without enabling the second detector to detect the status of the image forming apparatus, in response to the detection result obtained by the first detector.

Claim 30. (new) A program according to claim 29, further comprising a switching step of connecting the first control unit to the communication unit in a normal operating mode and the second control unit to the communication unit in the power saving mode, for output of the status of the image forming apparatus detected by the detection unit.

Claim 31. (new) A program according to claim 29, further comprising a switching step of connecting the first control unit to the communication unit in a normal operating mode and the second control unit to the communication unit in the power saving mode, for communication of information.

Claim 32. (new) A computer-readable storage medium storing a program for carrying out a power control method in an image forming apparatus which comprises a communication unit for making communication with an external apparatus and a detection unit comprising first and second detectors for detecting a status of the image forming apparatus, said program comprising:

    a first control step of processing an image to be supplied to an interface for transmission of an image signal using a first control unit;

    a second control step of controlling power supply to the detection unit using a second control unit, if the status of the image forming apparatus is to be detected in the power saving mode, the second control unit operating with power supply lower than that of the first control unit; and

    a communication step of informing the external apparatus of the status of the image forming apparatus detected by the detection unit with the power supply controlled in said second control step in response to inquiry about the status of the image forming apparatus from the external apparatus received in the power saving mode,

    wherein power supply to the detection unit and to the first control unit is saved when the image forming apparatus is in a power saving mode, and

    wherein in the power saving mode, said second control step executes power supply to the first detector to obtain a detection result, and switches between (a) executing power supply to the second detector to enable the second detector to detect the status of the image forming apparatus and (b) stopping power supply to the first detector without enabling the second detector to detect the status of the image forming apparatus, in response to the detection result obtained by the first detector.

Claim 33. (new) A program according to claim 32, further comprising a switching step of connecting the first control unit to the communication unit in a normal operating mode and the second control unit to the communication unit in the power saving mode, for output of the status of the image forming apparatus detected by the detection unit.

Claim 34. (new) A program according to claim 32, further comprising a switching step of connecting the first control unit to the communication unit in a normal operating mode and the second control unit to the communication unit in the power saving mode, for communication of information.